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187,860 GREAT BRITAIN

187,860 COMPLETE SPECIFICATION Nov. 2, 1922

KAY

SHEET 1

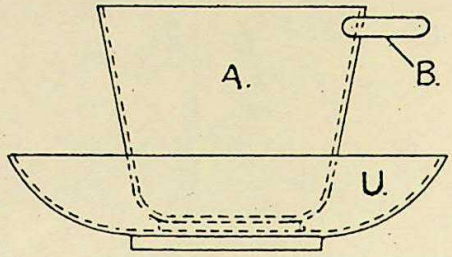

FIG. 1.

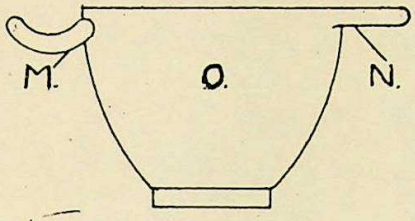

FIG. 4.

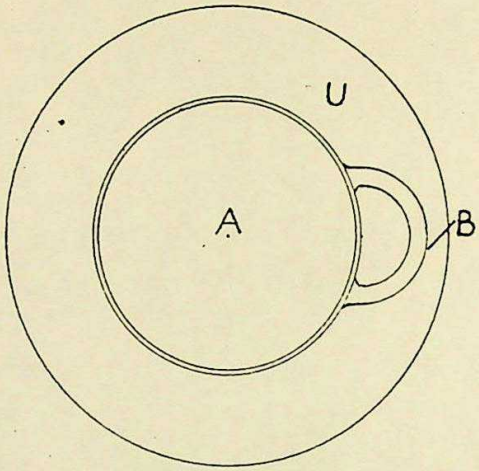

FIG. 2.

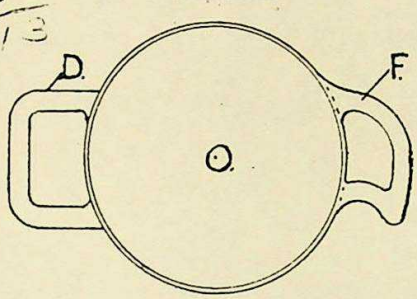

FIG. 5.

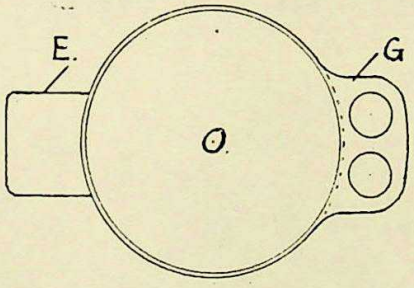

FIG. 6.

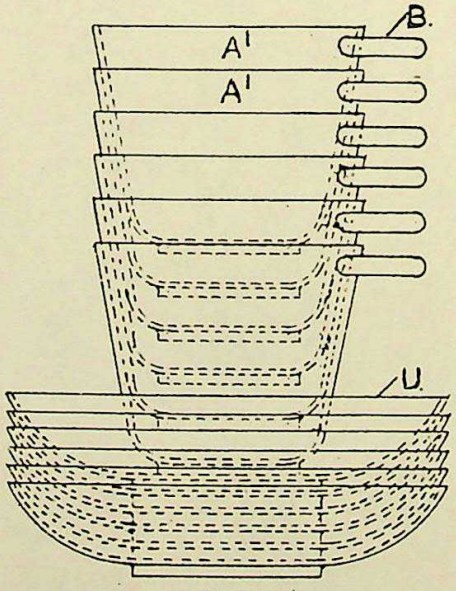

FIG. 3.

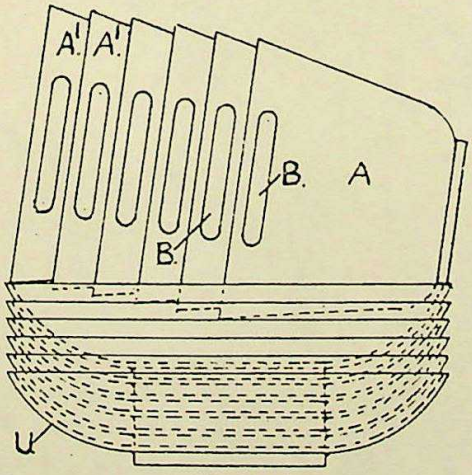

FIG. 7.

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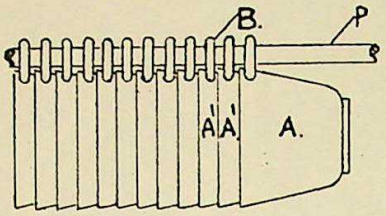

FIG. 8.

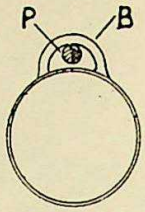

FIG. 9.

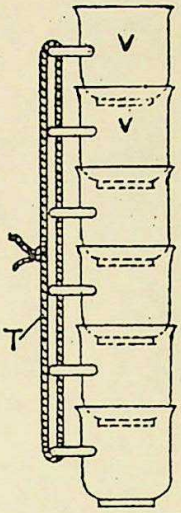

FIG. 18.

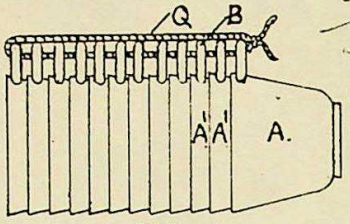

FIG. 10.

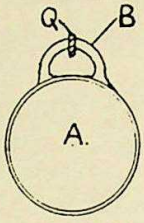

FIG. 11.

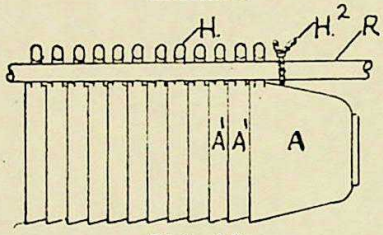

FIG. 12.

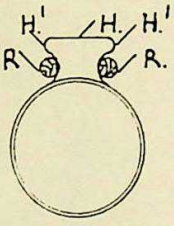

FIG 13

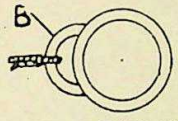

FIG. 19.

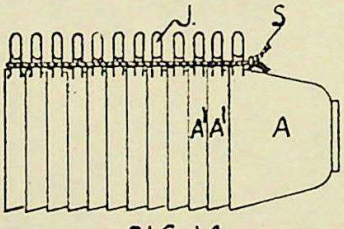

FIG. 14.

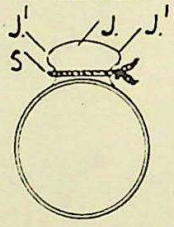

FIG. 15.

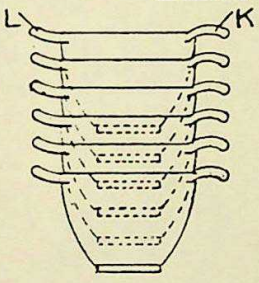

FIG. 20.

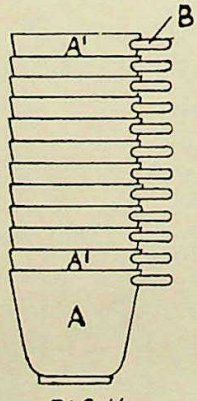

FIG. 16.

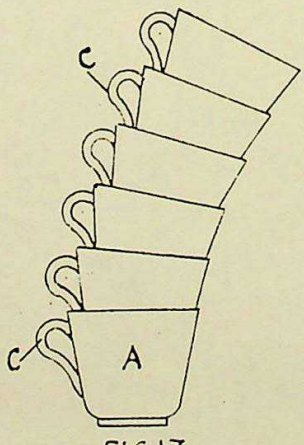

FIG. 17.

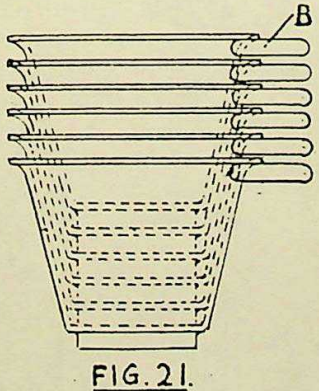

FIG. 21.

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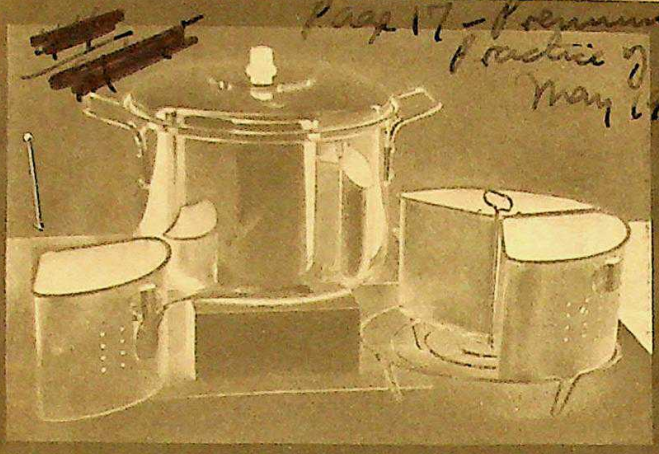
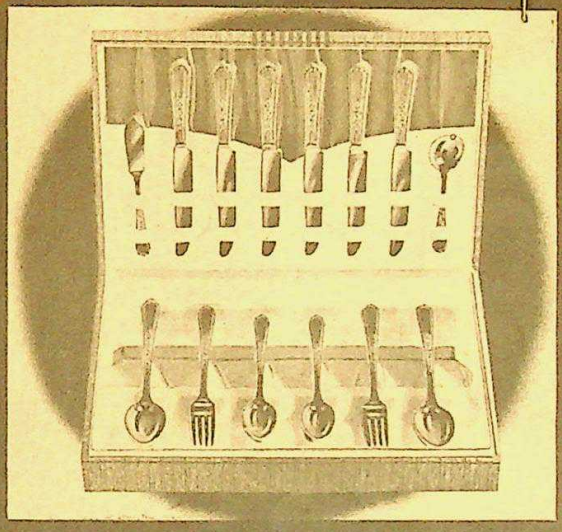
Page 17 - Premium Practice of May 1937.



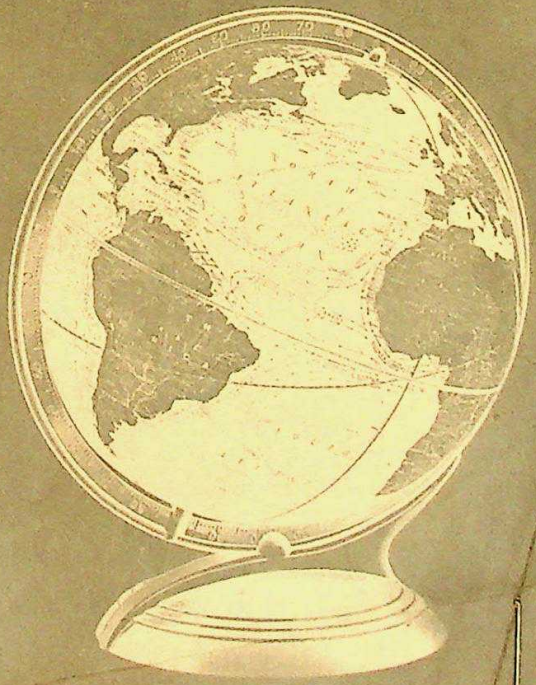
FOR THE HOUSEWIFE WHO MUST COOK IN SUMMER, AS WELL AS IN WINTER, THE TRIPLE STEAMER SHOWN ABOVE COOKS THREE FOODS OVER ONE LOW BURNER, SAVING VITAMINS AND MINERALS, WHILE THE WEIGHTED COVER FITS IN A RECESS, SEALING IN THE STEAM

GLASSWARE HAS TAKEN ON THE BEAUTY AND ARTISTRY ONE FINDS IN FINE CHINA, AS WITNESS THIS MONAX PETALWARE IN EITHER MILK-WHITE OR ROSE-PINK. THE DESIGN IS TAKEN FROM PETALS, WHICH GIVES IT ITS NAME, AND IS ONE OF TODAY'S SUCCESSES

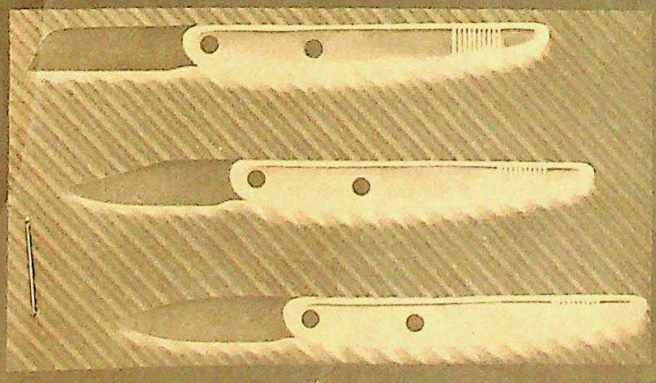


AMONG THE PREMIUMS THAT WILL BE WIDELY FEATURED THIS SEASON ONE FINDS THESE 26-PIECE SILVER SERVICES IN THE POPULAR JEWEL PATTERN, RESTING IN THE BEAUTIFUL CASES. NOT ONLY WOMEN BUT MEN RESPOND TO SUCH OFFERS AS PREMIUMS OR PRIZES

WE ARE MORE TRAVEL-MINDED THESE DAYS, AND THERE IS NOTHING THAT PERMITS ONE TO PLAN A TRIP OR TRAVEL BY IMAGINATION LIKE ONE OF THESE HANDSOME GLOBES, SEMI OR FULL MERIDIAN, CHROMIUM PLATED, ON A GRACEFUL BLACK SPUN METAL STANDARD



CONVENIENCE HAS AT LAST CAUGHT UP WITH UTILITY IN THE DESIGN OF PARING KNIVES FOR KITCHEN USE. BLADES AND HANDLES HAVE BEEN REDESIGNED—ONE SHORTENED, THE OTHER LENGTHENED AND WITH A BROADER BACK THAT GIVES A SURE AND FIRM GRIP



AV 293
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1,018,820 COMPLETE SPECIFICATION
1 SHEET
This drawing is a reproduction of the Original on a reduced scale.
GREAT BRITAIN

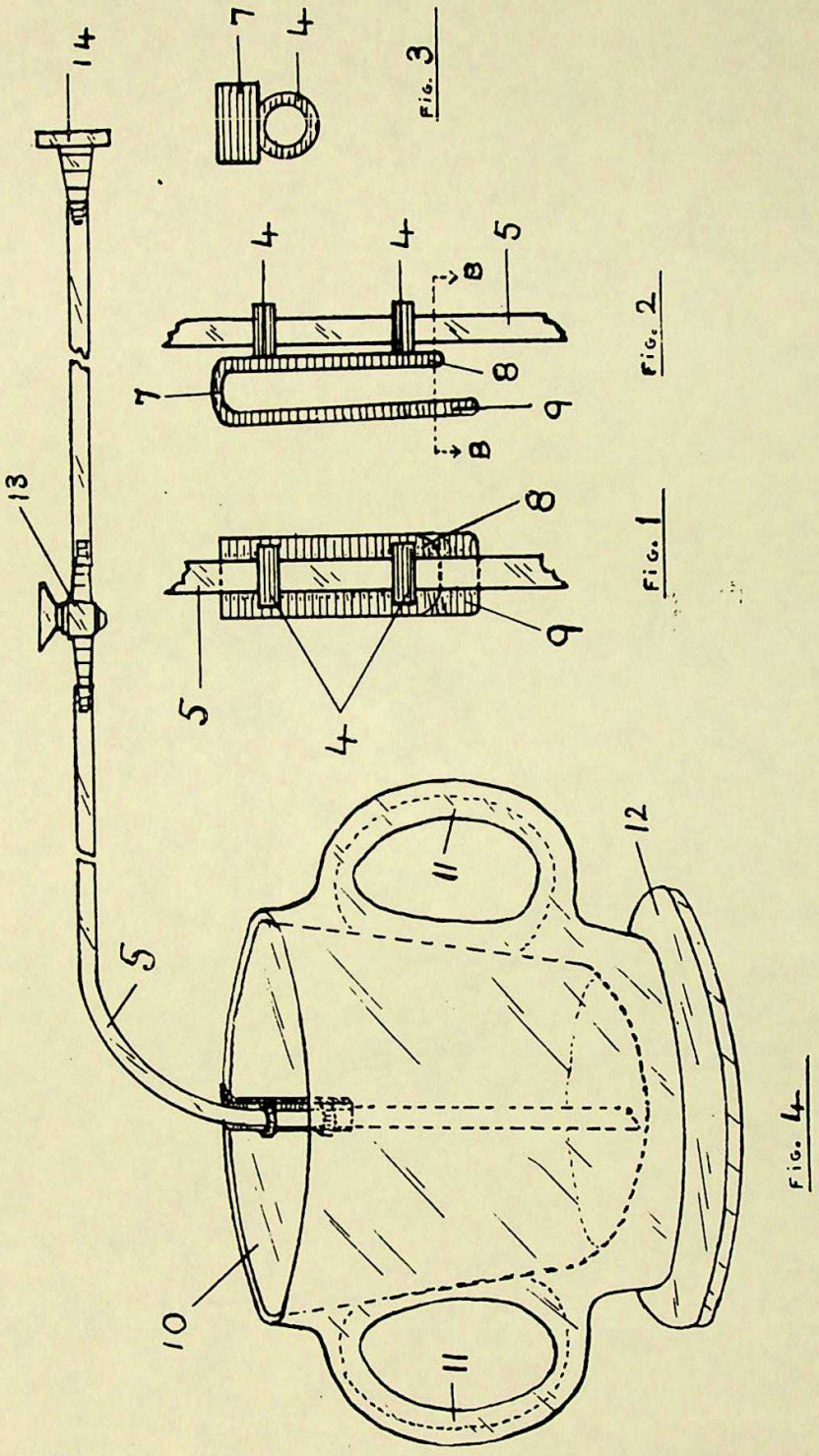

FIG. 3

FIG. 2

FIG. 1

FIG. 4

from 220/90.2

PATENT SPECIFICATION

DRAWINGS ATTACHED

1,018,820

1018,820

Date of filing Complete Specification July 13, 1964.
Application Date Sept. 27, 1963. *No. 38091/63.*
(Patent of Addition to No. 983172 dated April 16, 1963).
Complete Specification Published Feb 2, 1966.
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Index at acceptance: —A4 A(1B5, 2B, 3F, 3J, 3L, 4D, 6D, 9A, 9B); E2 B(4A3, 4A6A, 4A6B2, 4A6B3, 4GU)

Int. Cl.: —A 47 g 19/22//F 06 b

GT. BRIT. DIV. 46

COMPLETE SPECIFICATION

Improvement in or Relating to Self-Feeding Devices for Invalids

We, SOLOMON CECIL LEVY (Mr) British 174 Holders Hill Road, Mill Hill, London, N.W.7, and EDWARD BARON (Dr) (Deceased) British 18 St. Peter's Court, Queens Road, Hendon, London, N.W.4, do hereby declare the invention, for which we pray that a patent may be granted to us, and the method by which it is to be performed, to be particularly described in and by the following statement: —

This invention relates to a self feeding device for invalids and others whereby a plastic tube is supported by a clip that fits on to the outer rim of a container. This self-feeding device comprises a container to which is attached a plastic tube, the plastic tube being secured to the container by means of a clip. The tube is supported by means of the clip having two rings only sufficiently large enough to make a friction grip with the tube. By means of this method, when the apparatus is placed below the level of the patient's head, and the mouth-piece of the plastic tube is placed in the patient's mouth, the patient is able to draw off the fluid in the container at any frequency and quantity desired, without constant attention.

The invention relates to a "tube with clip-attachment to a self-feeding fluid container" whereby the device is a clip in the shape of an inverted "U" which has two rings welded onto the shorter side of the "U" shape clip and at right angles to the said clip. The clip can then be placed over the edge of the rim of the container forming a firm and secure grip therewith. The rings are placed in such a posiiton, that they are now on the inside of the container, this enables the plastic tube to pass through the rings to the base of the inside of the container, and at the same time is held in position firmly by the rings of the clip.

The other end of the plastic tube, having a mouthpiece is placed within the patient's mouth and comfortably gripped either by the teeth or lips. A turncock is provided at at a suitable distance from the patient, by means of which it allows the flow of fluid to be regulated by patient or nurse.

By means of this device, if the container is placed in a position below the patient's head, the fluid may then be drawn off in a regulated manner, at any frequency and quantity in a satisfactory manner to the patient. The container has at its base a round extending plate, and by means of the combined device, being the container and base, when in use with the clip and plastic tube, the base ensures that it is almost impossible for the device to overturn if accidently pulled or jerked, and because the tube, being flexible, and of more than the required length allows sufficient and easy access to the patient's mouth. This method of feeding is much more versatile than the usual feeding cup method, which, in ill and recumbent patients requires constant attendance of the nurse during feeding, especially those who have to lie flat, and yet, because of the impossibility of synchronising with the old type feeding cup, the patient when attempting to swallow the liquid, whilst being fed by the nurse, there is frequently spluttering and choking, and also spilling on to the bedclothes, creating an unhappy situation. This cannot happen with this device as the flow and frequency of swallowing is entirely controlled personally. After use, the clip unit, tube and container, are quickly and easily taken apart for cleaning or sterilising and aas quickly reassembled for re-use. Preferably it may be desirable to have a flexible tube for each patient which can be disposed of as frequently as may be deemed necessary.

[*Price* 4*s.* 6*d.*]

The invention is illustrated, merely by way of example, in the accompanying drawings, in which:—Figure 1. shows the front elevation, Figure 2, shows the side elevation, Figure 3, shows the top elevation, and Figure 4, shows the complete device, comprising, a container with handles 11 and, attached to the base of the container, is a flat circular protruding disc 12, a clip unit, 4, 7, 8, and 9, is attached to the rim of the container 10, the two rings 4 (shown in Figures 1, and 2,) grip an attached tube 5 placed therethrough, enabling the tube to reach to the inside base of the container, and being securely held in that position. The tube 5 continues outside the container, connected through a controlling governor 13, and continues beyond this, terminating in a mouth-piece 14.

Figure 2. parts 7, 8, 9, is comprised of a reasonably thick steel spring, or of any other suitable material which can be of any size or thickness to suit the specific purpose, but preferably being of 16 gauge thick and $\frac{1}{4}$" wide. This is bent in the form of a "U" which upon application is used as an inverted "U". One side 9 of the clip, being longer than side 8, which is preferably at least 1/8" shorter than side 9, or according to size of clip, the difference of length will vary accordingly, by means of the difference in length it allows easy fitting to the rim of the container 10 Figure 4. To the short side 8 of the clip of Figure 2. are welded two rings 4, which are preferably 5/8" or any suitable distance apart. The top ring 4, is nearest the "U" part at 7, and is preferably $\frac{1}{4}$" down from the top, or a convenient distance according to size of clip. The rings are welded at right angles to parts 8, 9 of clip and extend outwards, being attached to the outer flat surface of clip member 8. The rings 4, can be made of any suitable material, or size, but preferably in steel rod 8 gauge, and preferably having an internal radius of 3/16" to take a plastic tube with the same outside diameter thickness as that of internal radius of rings 4 making a firm fit with the inside surface of rings 4. The tube may be of plastic or any other convenient or suitable material. The clip unit device Figure 2. at the point marked B—B will be of narrower dimensions than the "U" part at 7, this in effect retains and causes an extra resilient grip on the rim of the container 10 to which it is to be fitted as shown in Figure 4. This method of clipping the tube 5, onto the container 10 rim enables the tube 5, to be held firmly against the side of the inside of the container shown in Figure 4. the open end of tube 5, continuing right down the inside of the container to it bottom, or the tube 5, may be placed in such a position, either half way down the inside of the container shown in Fig. 4, or in any position suitable, enabling a predetermined amount of fluid to be taken by the patient. The container Figure 4. is preferably marked and graduated in ounces showing the exact quantity of fluid therein. The container Figure 4. can be of any material, but preferably is of transparent heat resisting glass, whereby the marking in ounces can be seen from the outside of container figure 4. The container having at least one ring hand-hold 11, but preferably two ring hand-holds or a holding device for convenience of patient or nurse. At the base of container Figure 4. is a completely flat piece of material 12, preferably of clear heat resisting glass like the container, and sufficiently wide enough to prevent the container from tipping over if perked or pulled, and also being so proportioned that it does not exceed the width of the ring hand-holds 11, The plate 12, is circular in shape, and flat, but this can also be made in a saucer-like manner. It is desirable that the plastic tube 5, should be at least 3 feet long, or any desirable or convenient length, connected in circuit with it, but nearest to the patient and nurse, is a turncock 13, for easy regulation and control of the fluid, tube 5, terminating in a mouthpiece 14, which fits comfortably between the patient's lips or secured between the teeth. These last two fitments 13, and 14, can be made of any suitable material, but are preferably made of high tensile plastic which can easily be sterilised. The complete clip unit assembly Figure 2. at 4, 7, 8, and 9, are manufactured in a smooth anti-rust non-corrosive plated finish that can easily be sterilised, or made of any non-corrosive material, or the parts other than the container shown in Figure 4 can be manufactured in one solid piece, but preferably in plastic material in a single unit.

WHAT WE CLAIM IS:—

1. A self feeding device for invalids comprising a container receptacle, being a cup-like arrangement whereby it has one or more handles or holding device, the container being substantially round in diameter with a round base, larger than the base of the container and wide enough to stand firmly on a flat surface without overturning even if jerked or pulled, a clip assembly in the form of a U one side of the U being shorter than the other, fitted firmly on to the rim of the container and supporting one end of a plastic tube from the inside of the container, the opposite end of the tube which forms the outlet having attached thereto a mouthpiece which is so dimensioned and shaped, and having sufficient length of tubing to enable this self-feeding device to be used for ill people, both young or old, enabling them to be liquid fed, in upright, or recumbent, or even in a flat position, the flow of the fluid being controlled personally by the

patient, who is able to suck the fluid through the tube at any frequency or quantity desired, when the container is placed below the level of the patient's head, and a turncock governor to control the rate of flow also being provided which may or may not be used.

2. A device as in claim 1 in which the clip is an inverted "U" shape to fit snug with a resilient grip on the rim of the container.

3. A device as in claims 1. and 2. having two round rings welded to the shorter member of the outside of the clip facing the inside of the container, these rings firmly securing the attached plastic tubing to the container.

4. A device as claimed in claims 1, 2, and 3, whereby the base of the container is saucer-like, allowing the container to stand rigid.

5. A device as claimed in claims 1, 2, 3, and 4, the clip is so shaped that it grips the container rim securely, the two rings on the outer face of the clip hold the plastic tube firmly in position.

6. The device as in all previous claims is so designed that fluid will only pass through the tube to the patients mouth, when and as required, and is self regulating without spilling over.

7. The device as in claim 1, and in previous claims, the flow of the fluid, whilst it can be self regulated by the patient, it can also be controlled independantly by adjustment of the governor.

8. The device as claimed in claim 1, the container being manufactured in any type of material suitable for the purpose required, such as for industrial use, for domestic use, or for medical use etc, in all cases it is advisable to use heat resisting material for the container and feeding device, if warm or hot fluids are to be used, hot fluids will not impair the mechanical use.

9. The device as in all previous claims, by using a smaller or larger tubing whether it be plastic or other type material, and according to the diameter of the tubing, various forms of fluids varying in consistency may be used.

10. The device as in claim 1, with the exception of the container, can be manufactured in one complete unit, having no separate joining parts, in any suitable material, either in in metal or solid plastic material, this includes the clip device, the tubing, the governor, and the mouthpiece.

11. A device as in claim 1. whereby the container has one or more ring hand-hold preferably at least two hand holds to enable easy handling by the nurse or patient, and in the case of two hand-holds, it allows the plastic tubing to be placed through these ring hand-holds, to pack away whilst not in use, and prior to being used, it can be attached to the clip and rim.

12. That the apparatus as in claim 1. when placed below the patient's head is mouth controlled, alternately the device when controlled by the regulator can be used as a drip-feed when placed above the patient's head.

13. That the device as in claim 2, and 3, whereby the plastic tube can be adjusted to any distance from the rim of the cup to the bottom of the container, allowing the patient to drink a measured quantity of fluid.

14. A device as in claim 18, whereby if the container is made in clear material that a visible scale marked in ounces on the container side can be readily seen from the inside or outside of the container, for the purpose of defining a suitable quantity of fluid, larger or smaller size containers can be made for use in industry with or without corresponding quantity markings.

15. A device as in claims 1. to 9, substantially as described and with reference to the drawings accompanying this specification.

EDWARD BARON,
SOLOMON CECIL LEVY.

Leamington Spa: Printed for Her Majesty's Stationery Office by the Courier Press.—1966.
Published at The Patent Office, 25, Southampton Buildings, London, W.C.2, from which copies may be obtained.

D7/534 XR AU 293

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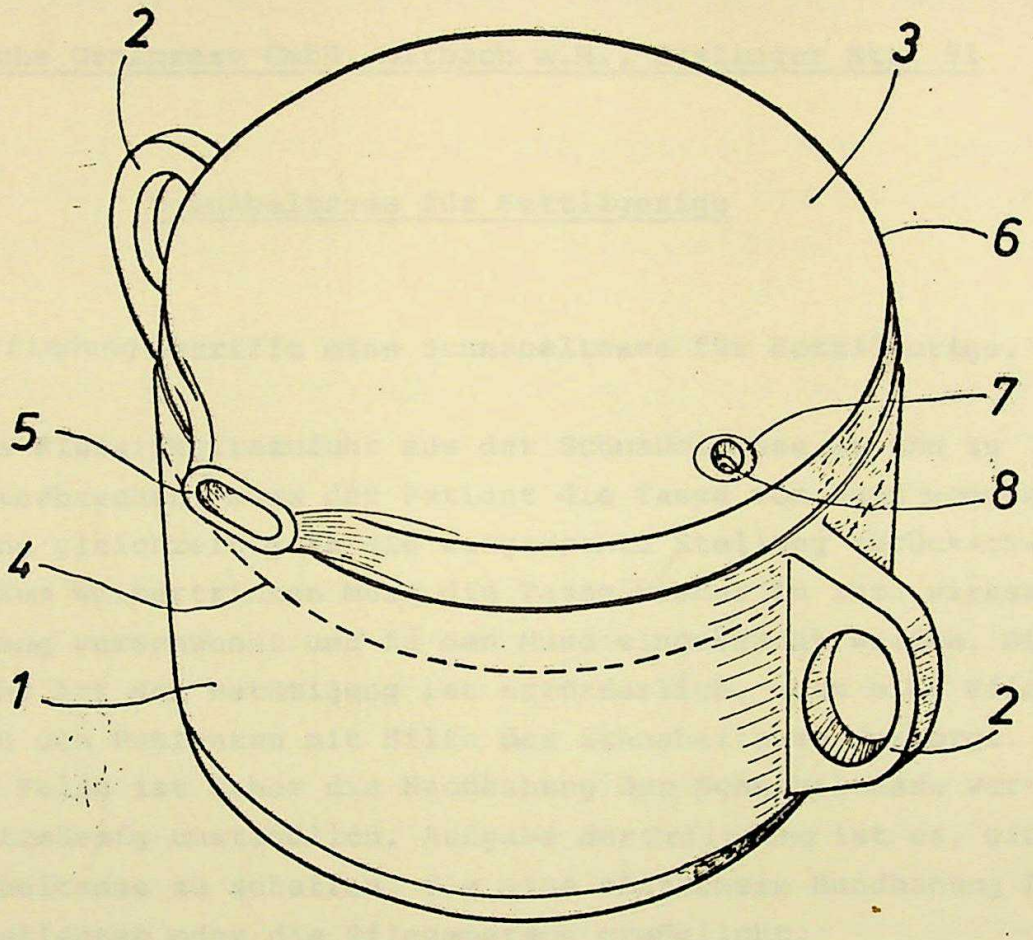
WEST GERMANY

FEBRUARY 8, 1973

30 3 11 AT: 24.07.71 OT: 08.02.73



from 220/90.2

Patentanwälte Dipl.-Ing. W. Scherrmann Dr.-Ing. R. Rüger
73 Esslingen (Neckar), Fabrikstraße 9, Postfach 348

23. Juli 1971
PA 2 naki

Telefon
Stuttgart (0711) 356539
359619

Telegramme Patentschutz
Esslingenneckar

Deutsche Ornapress GmbH, Altbach a.N., Esslinger Str. 51

Schnabeltasse für Bettlägerige

Die Erfindung betrifft eine Schnabeltasse für Bettlägerige.

Um die Flüssigkeitszufuhr aus der Schnabeltasse ab und zu zu unterbrechen, muss der Patient die Tasse vom Mund wegnehmen und gleichzeitig in die waagerechte Stellung zurückschwenken. Zum Weitertrinken muss die Tasse wieder in ihre wirksame Stellung verschwenkt und in den Mund eingebracht werden. Die gleiche Art der Betätigung ist erforderlich, wenn eine Pflegeperson den Patienten mit Hilfe der Schnabeltasse versorgt. In jedem Falle ist daher die Handhabung der Schnabeltasse verhältnismässig umständlich. Aufgabe der Erfindung ist es, eine Schnabeltasse zu schaffen, die eine einfachere Handhabung für den Patienten oder die Pflegeperson ermöglicht.

Gemäss der Erfindung besitzt die Schnabeltasse einen den Schnabel enthaltenden, abnehmbaren Deckel, der eine Öffnung von einer solchen Größe aufweist, daß sie durch eine Fingerkuppe abdeckbar ist. Vorzugsweise ist die Öffnung hierbei derart in der Nähe des Deckelrandes und derart mit Bezug auf den Schnabel angeordnet, daß sie mit dem Daumen der die Tasse am Handgriff haltenden Hand abdeckbar ist. Eine auf diese Weise ausgebildete Tasse kann ununterbrochen in der geneigten Lage, in der sich der Schnabel am Mund des Patienten befindet, gehalten werden. Dadurch, daß die im Deckel befindliche Öffnung

mit dem Finger freigegeben oder abgedeckt wird, wird bestimmt, ob Flüssigkeit ausfliessen soll oder nicht. Wenn die Öffnung neben einem Handgriff der Tasse in der Nähe des Deckelrandes angeordnet ist, kann die Öffnung auf einfache Weise mit dem Daumen der in den Handgriff einliegenden Hand freigegeben und abgedeckt werden.

In der Zeichnung ist ein Ausführungsbeispiel des Gegenstandes der Erfindung dargestellt. Sie zeigt eine Schnabeltasse gemäss der Erfindung in perspektivischer Darstellung.

Auf die Schnabeltasse 1 mit den beiden Handgriffen 2 ist der abnehmbare Deckel 3 aufgesetzt, der in das Innere der Tasse mit einem Rand 4 eingreift. An dem Deckel 3 ist der Schnabel 5 ausgebildet. In der Nähe des Randes 6 des Deckels 3 ist in einer kleinen Erhebung 7 des Deckels 3 eine Öffnung 8 enthalten, die durch den Deckel 3 hindurchgeht. Die Öffnung 8 ist hierbei derart angeordnet, daß sie bei richtigem Aufsetzen des Deckels 3 neben einem der Handgriffe 2 zu liegen kommt.

Durch die im Vorstehenden beschriebene neue Gestaltung wird die eingangs erläuterte vereinfachte Handhabung der Schnabeltasse ermöglicht. Dadurch, daß die Öffnung 8 in einer Erhebung 7 des Deckels 3 enthalten ist, kann der Patient die Öffnung auch leicht im Dunkeln finden und beim Zuführen und Wegstellen der Schnabeltasse ein Verschütten der Flüssigkeit vermeiden.

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Patentansprüche

1. Schnabeltasse für Bettlägerige, dadurch gekennzeichnet, daß sie einen den Schnabel (5) enthaltenden abnehmbaren Deckel (3) besitzt, der eine Durchgangsöffnung (8) von einer solchen Größe aufweist, daß sie durch eine Fingerkuppe abdeckbar ist.

2. Schnabeltasse nach Anspruch 1, dadurch gekennzeichnet, daß die Öffnung (8) derart in der Nähe des Deckelrandes (6) und derart mit Bezug auf den Schnabel (5) angeordnet ist, daß sie mit dem Daumen der die Tasse (1) an einem Handgriff (2) haltenden Hand abdeckbar ist.

3. Schnabeltasse nach Anspruch 1, dadurch gekennzeichnet, daß die Öffnung (8) in einer kleinen Erhebung (7) des Deckels (3) enthalten ist.

Leerseite

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OLS 2,137,184 Invalid feeding cup having a detachable lid fitted with a spout and a small inlet which can be covered by a finger tip so that the cup can be held constantly in the tipped position and the inlet simply covered to prevent more liquid flowing out. Pref. the inlet is arranged near the edge of the cap and can be covered by the thumb. 24.7.71. P.2137184.6. DEUTSCHE ORNAPRESS GMBH (8.2.73) A61j 9/04.

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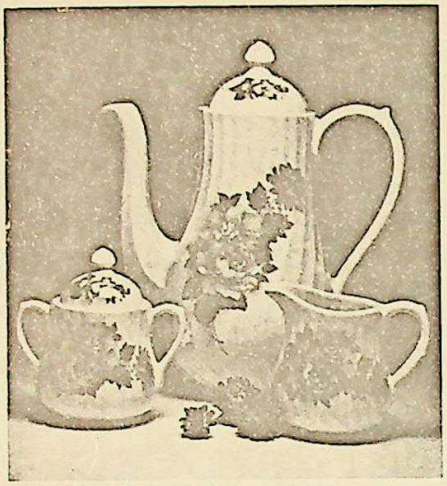
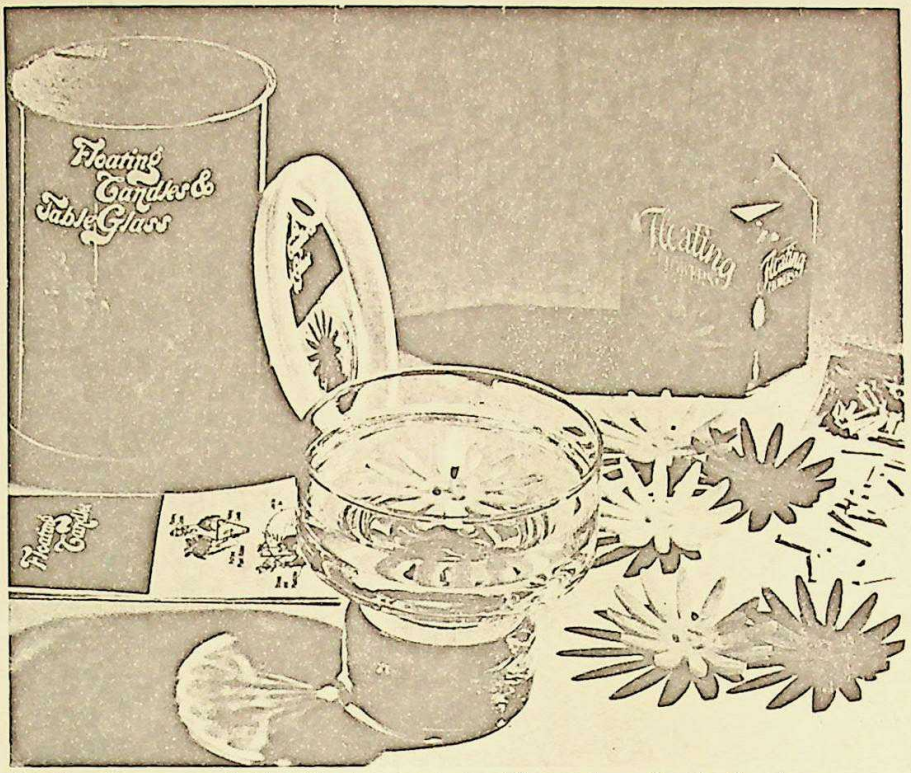
NEW PRODUCTS IN PICTURES

MAR. 1976

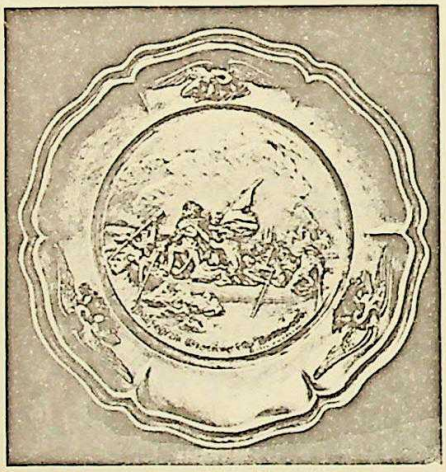
continued from previous page



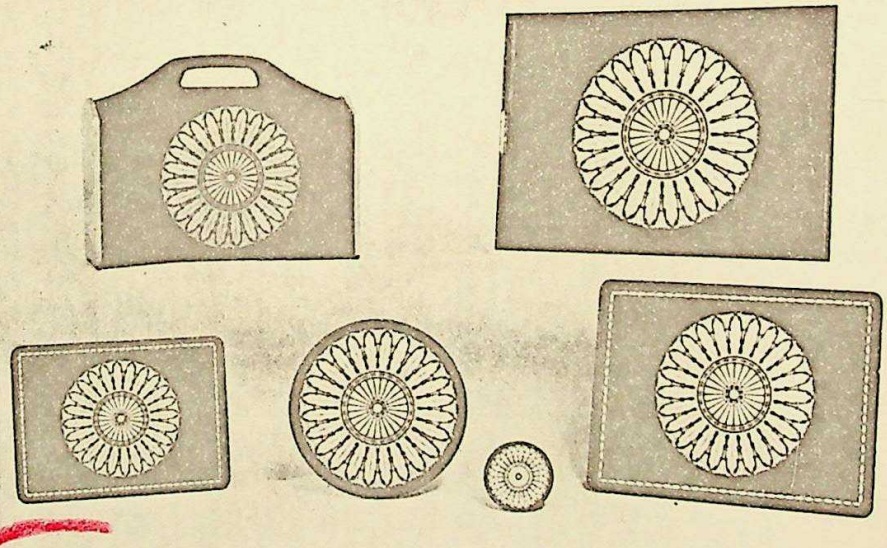
Regal Rose, one of five new designs introduced by Barratts of Staffordshire Ltd, Royal Overhouse Pottery, Burslem, Stoke-on-Trent ST6 4EE



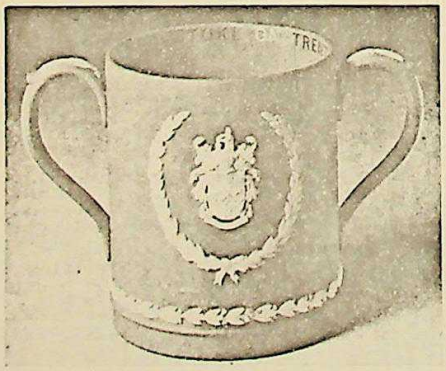
Floating Flowers, available with wicks in packs of five, or in a gift set with a heavy base glass, are new from Rizla Ltd, Severn Road, Treforest Industrial Estate, Pontypridd, Glamorgan, Wales



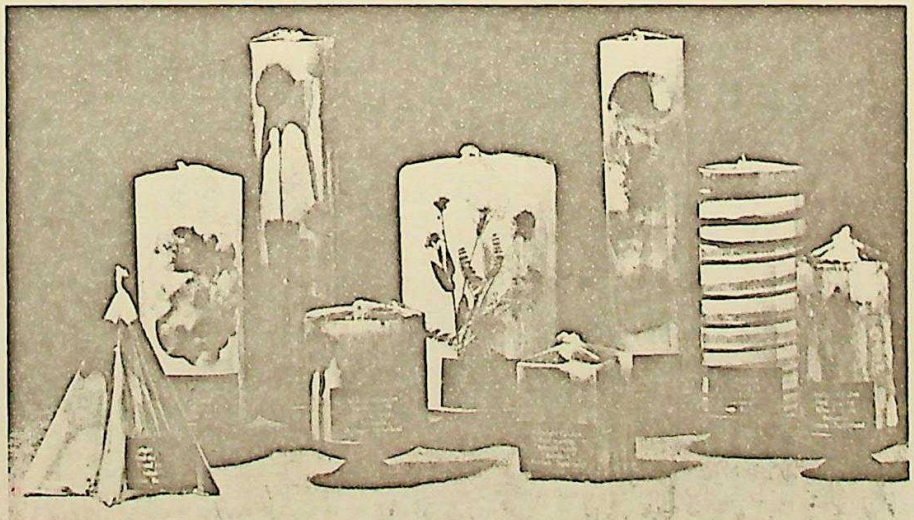
This 10in pewter plate of Washington crossing the Delaware, commemorates the USA bicentennial and is available from Royal Worcester, 11 East 26th Street, New York City



Carousel, a new design in a cellulose finish in four colours, the motif in gold and white, from Clover Leaf Products Ltd, Cheney Manor, Swindon, Wiltshire SN2 2PN



This loving mug in pale blue and white Jasper by Wedgwood is in a limited edition of 50 to mark the 50th anniversary of the conferment of city status on Stoke-on-Trent in 1925



Right: Part of the range of candles from Clearlight Crafts, Studio 17, Balnakeil, Durness, Sutherland, Scotland